

24-2.

GURNEY RADIATORS



GURNEY HEATER M'FG COMPANY

BOSTON, MASS.

NEW YORK OFFICE

22 E. 42D STREET

PHILA. BRANCH
108 NORTH 17TH ST

(c. 1905)



Gurney Single-Column Radiators



(Made in Plain Pattern Only)

FOR STEAM AND WATER

For heights, heating surface, etc., see page 3



Gurney Single-Column Radiators

FOR STEAM AND WATER

(Made in Plain Pattern only)

Number of Sections	Length $2\frac{1}{2}$ Inches per Section	Heating Surface — Feet			
		38-inch Height 3 feet per sec.	32-inch Height $2\frac{1}{2}$ feet per sec.	26-inch Height 2 feet per sec.	20-inch Height $1\frac{1}{2}$ feet per sec.
2	5	6	5	4	3
3	7 $\frac{1}{2}$	9	7 $\frac{1}{2}$	6	4 $\frac{1}{2}$
4	10	12	10	8	6
5	12 $\frac{1}{2}$	15	12 $\frac{1}{2}$	10	7 $\frac{1}{2}$
6	15	18	15	12	9
7	17 $\frac{1}{2}$	21	17 $\frac{1}{2}$	14	10 $\frac{1}{2}$
8	20	24	20	16	12
9	22 $\frac{1}{2}$	27	22 $\frac{1}{2}$	18	13 $\frac{1}{2}$
10	25	30	25	20	15
11	27 $\frac{1}{2}$	33	27 $\frac{1}{2}$	22	16 $\frac{1}{2}$
12	30	36	30	24	18
13	32 $\frac{1}{2}$	39	32 $\frac{1}{2}$	26	19 $\frac{1}{2}$
14	35	42	35	28	21
15	37 $\frac{1}{2}$	45	37 $\frac{1}{2}$	30	22 $\frac{1}{2}$
16	40	48	40	32	24
17	42 $\frac{1}{2}$	51	42 $\frac{1}{2}$	34	25 $\frac{1}{2}$
18	45	54	45	36	27
19	47 $\frac{1}{2}$	57	47 $\frac{1}{2}$	38	28 $\frac{1}{2}$
20	50	60	50	40	30
21	52 $\frac{1}{2}$	63	52 $\frac{1}{2}$	42	31 $\frac{1}{2}$
22	55	66	55	44	33
23	57 $\frac{1}{2}$	69	57 $\frac{1}{2}$	46	34 $\frac{1}{2}$
24	60	72	60	48	36
25	62 $\frac{1}{2}$	75	62 $\frac{1}{2}$	50	37 $\frac{1}{2}$
26	65	78	65	52	39
27	67 $\frac{1}{2}$	81	67 $\frac{1}{2}$	54	40 $\frac{1}{2}$
28	70	84	70	56	42
29	72 $\frac{1}{2}$	87	72 $\frac{1}{2}$	58	43 $\frac{1}{2}$
30	75	90	75	60	45

Width of sections, $4\frac{1}{2}$ inches; width at legs, $5\frac{1}{2}$ inches. Height from floor to center of tapping, 4 inches. Above Radiators are tapped SOLID as per list on page 22.

Regularly connected at top and bottom with extra heavy malleable push nipples for water, and extra heavy malleable push nipples at bottom for steam.

All dimensions for lengths of Radiators are from outside to outside of tapping bosses — no bushings used.

Duet Two-Column Radiators



(Plain Pattern)

FOR STEAM AND WATER

For heights, heating surface, etc., see page 8

GURNEY

Tremont Three-Column Radiators



(Plain Pattern)

FOR STEAM AND WATER

For heights, heating surface, etc., see page 9

GURNEY

Duet Two-Column Radiators



(Ornamental Pattern)

FOR STEAM AND WATER

For heights, heating surface, etc., see page 8

Tremont Three-Column Radiators



(Ornamental Pattern)

FOR STEAM AND WATER

For heights, heating surface, etc., see page 9



Duet Two-Column Radiators

FOR STEAM AND WATER

(Plain and Ornamental Patterns)

Number of Sections	Length 2½ Inches per Section *See Footnote	Heating Surface — Feet					
		45-inch Height 5 feet per sec.	38-inch Height 4 feet per sec.	32-inch Height 3½ feet per sec.	26-inch Height 2½ feet per sec.	23-inch Height 2½ feet per sec.	20-inch Height 2 feet per sec.
2	5	10	8	6½	5½	4½	4
3	7½	15	12	10	8	7	6
4	10	20	16	13½	10½	9½	8
5	12½	25	20	16½	13½	11½	10
6	15	30	24	20	16	14	12
7	17½	35	28	23½	18½	16½	14
8	20	40	32	26½	21½	18½	16
9	22½	45	36	30	24	21	18
10	25	50	40	33½	26½	23½	20
11	27½	55	44	36½	29½	25½	22
12	30	60	48	40	32	28	24
13	32½	65	52	43½	34½	30½	26
14	35	70	56	46½	37½	32½	28
15	37½	75	60	50	40	35	30
16	40	80	64	53½	42½	37½	32
17	42½	85	68	56½	45½	39½	34
18	45	90	72	60	48	42	36
19	47½	95	76	63½	50½	44½	38
20	50	100	80	66½	53½	46½	40
21	52½	105	84	70	56	49	42
22	55	110	88	73½	58½	51½	44
23	57½	115	92	76½	61½	53½	46
24	60	120	96	80	64	56	48
25	62½	125	100	83½	66½	58½	50
26	65	130	104	86½	69½	60½	52
27	67½	135	108	90	72	63	54
28	70	140	112	93½	74½	65½	56
29	72½	145	116	96½	77½	67½	58
30	75	150	120	100	80	70	60

Width of sections, 7½ inches; width at feet, 7½ inches. Height from floor to center of tapping, 4 inches. Above Radiators are tapped SOLID as per list on page 22.

Regularly connected at top and bottom with extra heavy malleable push nipples for water, and extra heavy malleable push nipples at bottom for steam. All dimensions for lengths of Radiators are from outside to outside of tapping bosses — no bushings used.

* These Radiators (Plain Pattern only) can also be furnished in Hospital Pattern spaced 3 inches on centers. All other dimensions, data, etc., are the same as above.

Tremont Three-Column Radiators

FOR STEAM AND WATER

(Plain and Ornamental Patterns)

Number of Sections	Length $2\frac{1}{2}$ Inches per Section	Heating Surface — Feet			
		39-inch Height 6 feet per sec.	33-inch Height $5\frac{1}{2}$ feet per sec.	27-inch Height $4\frac{1}{2}$ feet per sec.	21-inch Height $3\frac{1}{2}$ feet per sec.
2	5	12	10 $\frac{1}{2}$	8 $\frac{1}{2}$	6 $\frac{1}{2}$
3	7 $\frac{1}{2}$	18	15 $\frac{3}{4}$	12 $\frac{3}{4}$	9 $\frac{3}{4}$
4	10	24	21	17	13
5	12 $\frac{1}{2}$	30	26 $\frac{1}{4}$	21 $\frac{1}{4}$	16 $\frac{1}{4}$
6	15	36	31 $\frac{1}{2}$	25 $\frac{1}{2}$	19 $\frac{1}{2}$
7	17 $\frac{1}{2}$	42	36 $\frac{3}{4}$	29 $\frac{3}{4}$	22 $\frac{3}{4}$
8	20	48	42	34	26
9	22 $\frac{1}{2}$	54	47 $\frac{1}{4}$	38 $\frac{1}{4}$	29 $\frac{1}{4}$
10	25	60	52 $\frac{1}{2}$	42 $\frac{1}{2}$	32 $\frac{1}{2}$
11	27 $\frac{1}{2}$	66	57 $\frac{3}{4}$	46 $\frac{3}{4}$	35 $\frac{3}{4}$
12	30	72	63	51	39
13	32 $\frac{1}{2}$	78	68 $\frac{1}{4}$	55 $\frac{1}{4}$	42 $\frac{1}{4}$
14	35	84	73 $\frac{1}{2}$	59 $\frac{1}{2}$	45 $\frac{1}{2}$
15	37 $\frac{1}{2}$	90	78 $\frac{3}{4}$	63 $\frac{3}{4}$	48 $\frac{3}{4}$
16	40	96	84	68	52
17	42 $\frac{1}{2}$	102	89 $\frac{1}{4}$	72 $\frac{1}{4}$	55 $\frac{1}{4}$
18	45	108	94 $\frac{1}{2}$	76 $\frac{1}{2}$	58 $\frac{1}{2}$
19	47 $\frac{1}{2}$	114	99 $\frac{3}{4}$	80 $\frac{3}{4}$	61 $\frac{3}{4}$
20	50	120	105	85	65
21	52 $\frac{1}{2}$	126	110 $\frac{1}{4}$	89 $\frac{1}{4}$	68 $\frac{1}{4}$
22	55	132	115 $\frac{1}{2}$	93 $\frac{1}{2}$	71 $\frac{1}{2}$
23	57 $\frac{1}{2}$	138	120 $\frac{3}{4}$	97 $\frac{3}{4}$	74 $\frac{3}{4}$
24	60	144	126	102	78
25	62 $\frac{1}{2}$	150	131 $\frac{1}{4}$	106 $\frac{1}{4}$	81 $\frac{1}{4}$
26	65	156	136 $\frac{1}{2}$	110 $\frac{1}{2}$	84 $\frac{1}{2}$
27	67 $\frac{1}{2}$	162	141 $\frac{3}{4}$	114 $\frac{3}{4}$	87 $\frac{3}{4}$
28	70	168	147	119	91
29	72 $\frac{1}{2}$	174	152 $\frac{1}{4}$	123 $\frac{1}{4}$	94 $\frac{1}{4}$
30	75	180	157 $\frac{1}{2}$	127 $\frac{1}{2}$	97 $\frac{1}{2}$

Width of sections, 9 $\frac{1}{4}$ inches; width at feet, 9 $\frac{3}{4}$ inches. Height from floor to center of tapping, 4 inches. Above radiators are tapped SOLID as per list on page 22.

Regularly connected at top and bottom with extra heavy malleable push nipples for water, and extra heavy malleable push nipples at bottom for steam. All dimensions for lengths of Radiators are from outside to outside of tapping bosses — no bushings used.



Gurney Five-Column Radiators



(Made in Flain Pattern only)

FOR STEAM AND WATER

For heights, heating surface, etc., see page 11



Gurney Five-Column Standard Height and Window Radiators

FOR STEAM AND WATER

(Plain Pattern only)

Number of Sections	Length 3½ Inches per Section	Heating Surface — Feet					
		38-inch Height 10 feet per sec.	26-inch Height 7 feet per sec.	20-inch Height 5 feet per sec.	18-inch Height 5 feet per sec.	16-inch Height 4 feet per sec.	14-inch Height 4 feet per sec.
2	6½	20	14	10	10	8	8
3	9¾	30	21	15	15	12	12
4	13	40	28	20	20	16	16
5	16½	50	35	25	25	20	20
6	19½	60	42	30	30	24	24
7	22½	70	49	35	35	28	28
8	26	80	56	40	40	32	32
9	29½	90	63	45	45	36	36
10	32½	100	70	50	50	40	40
11	35½	110	77	55	55	44	44
12	39	120	84	60	60	48	48
13	42½	130	91	65	65	52	52
14	45½	140	98	70	70	56	56
15	48½	150	105	75	75	60	60
16	52	160	112	80	80	64	64
17	55½	170	119	85	85	68	68
18	58½	180	126	90	90	72	72
19	61½	190	133	95	95	76	76
20	65	200	140	100	100	80	80
21	68½	210	147	105	105	84	84
22	71½	220	154	110	110	88	88
23	74½	230	161	115	115	92	92
24	78	240	168	120	120	96	96
25	81½	250	175	125	125	100	100
26	84½	260	182	130	130	104	104
27	87½	270	189	135	135	108	108
28	91	280	196	140	140	112	112
29	94½	290	203	145	145	116	116
30	97½	300	210	150	150	120	120

Above Radiators are tapped SOLID as per list on page 22. Regularly connected at top and bottom with extra heavy malleable push nipples for steam and water. All dimensions for lengths of Radiators are from outside to outside of tapping bosses — no bushings used.

Width of section 12 inches

Width at feet 12 "

Height from floor to center of tapping, 38, 26, 20, 16-inch heights, 5½ " "

Height from floor to center of tapping, 18 and 14-inch heights 3½ " "

Gurney Wall Radiators

FOR STEAM AND WATER



Nine-foot section



Seven-foot section



Five-foot section

These Radiators are especially adapted and designed for heating narrow hallways, bathrooms, steamships or sailing vessels, churches, factories, and all other installations ordinarily heated with pipe coils. They are more sightly than coils, take up less wall space, secure a better and more efficient circulation, and are cheaper to install. Gurney Wall Radiators can be assembled in any form or number of sections desired.

SIZES AND MEASUREMENTS

Sizes	Length, Inches	Width, Inches	Thickness, Inches	Thickness with Bracket, Inches	Heating Surface, Feet
5-foot	13 $\frac{1}{2}$	14	3 $\frac{1}{4}$	3 $\frac{3}{4}$	5
7- "	19	14	3 $\frac{1}{4}$	3 $\frac{3}{4}$	7
9- "	24	14	3 $\frac{1}{4}$	3 $\frac{3}{4}$	9
12- "	28	14 $\frac{5}{8}$	3 $\frac{7}{8}$	4 $\frac{3}{8}$	12

For convenience in handling and shipping, and unless otherwise ordered, Gurney Wall Radiators will be shipped as follows: When horizontal assembly is desired, 5-foot sections will be assembled in stacks not exceeding 4 sections; 7-foot sections in stacks not exceeding 3 sections; 9-foot sections in stacks not exceeding 2 sections.

When vertical assembly is desired 5, 7 and 9-foot sections will be assembled in stacks not exceeding 5 sections.

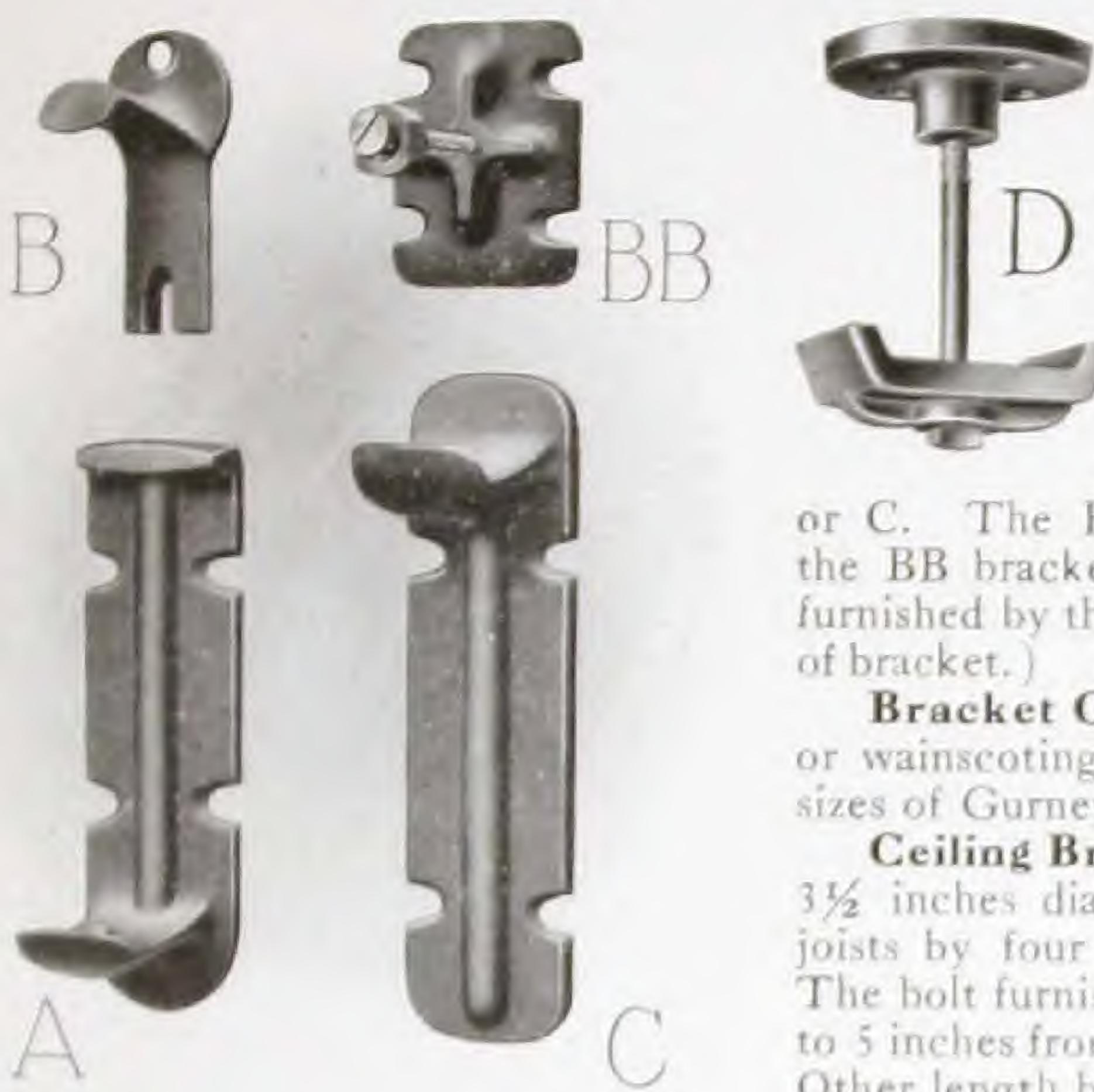
When it is desired to erect a stack having more sections than as above mentioned, or when sections or stacks are to be set in rows or series, we provide a heavy right and left-hand threaded nipple having hexagon nut at center to connect stacks or rows.

NOTE—Twelve-foot section is made only without ornamentation.

Gurney Wall Radiators are tapped 1 $\frac{1}{2}$ inch supply and return, and are bushed, unless otherwise ordered, as per tapping list on page 22.

They are connected with 1 $\frac{1}{2}$ inch right and left-hand threaded internal nipples.

Gurney Wall Radiator Brackets



Bracket A. — Screwed to wall, baseboard or wainscoting and can be used to support all sizes of Gurney Wall Radiators.

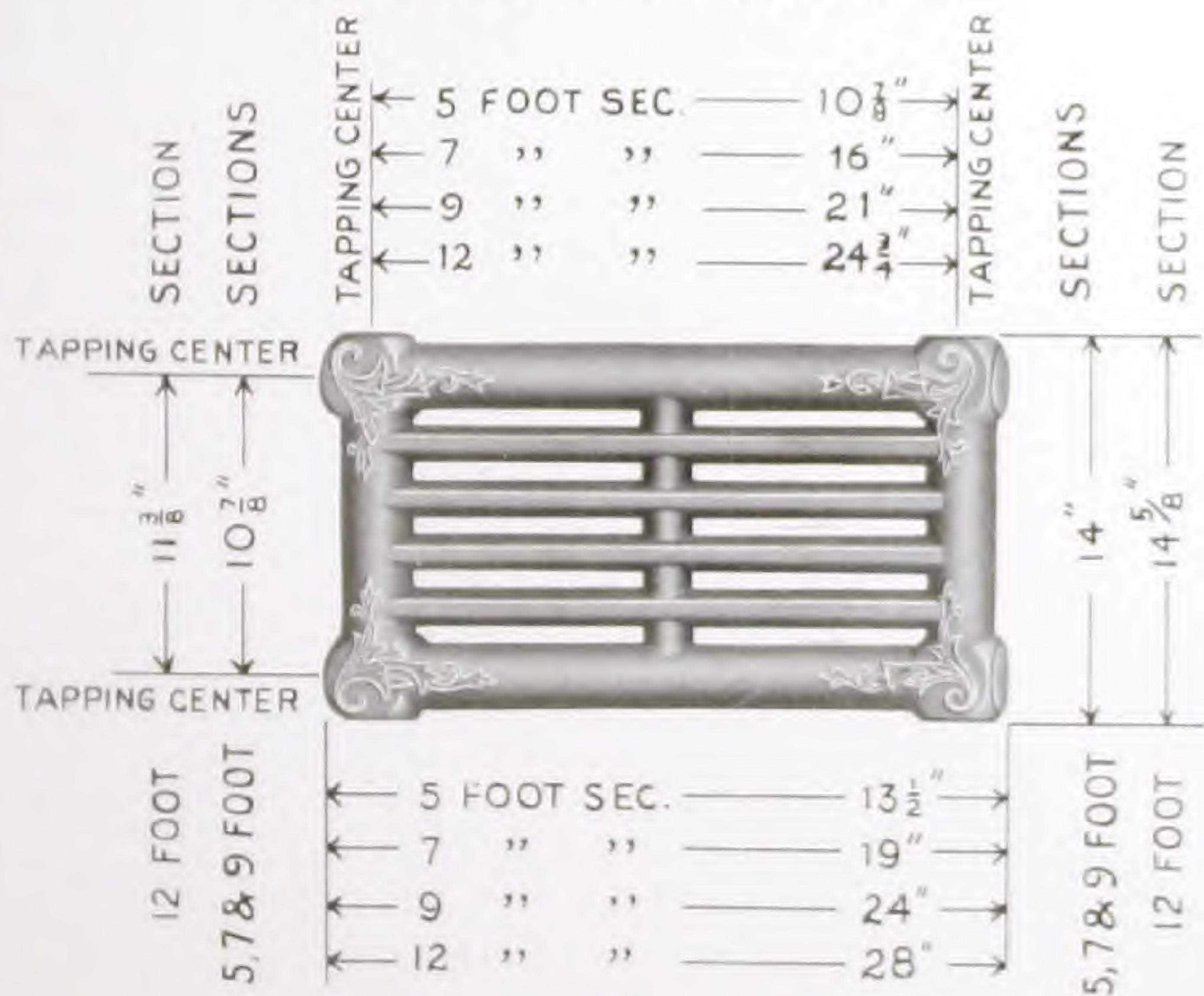
Brackets B and BB. — Screwed to wall or wainscoting and to be used as a guide or to hold in position radiator supported by brackets A or C. The B bracket is slotted for two and the BB bracket for four screws (same to be furnished by the fitter and not included in price of bracket.)

Bracket C. — Screwed to wall, baseboard or wainscoting and can be used to support all sizes of Gurney Wall Radiators.

Ceiling Bracket D. — Made of cast flange, $3\frac{1}{2}$ inches diameter and screwed to ceiling joists by four screws — not furnished by us. The bolt furnished gives a distance of 4 inches to 5 inches from bottom of Radiator to ceiling. Other length bolts can be furnished on special order.

We can furnish also baseboard brackets and adjustable wall brackets with or without wrought iron bearing plates.

Wall Radiator Measurements



Typical Wall Radiator Assembly

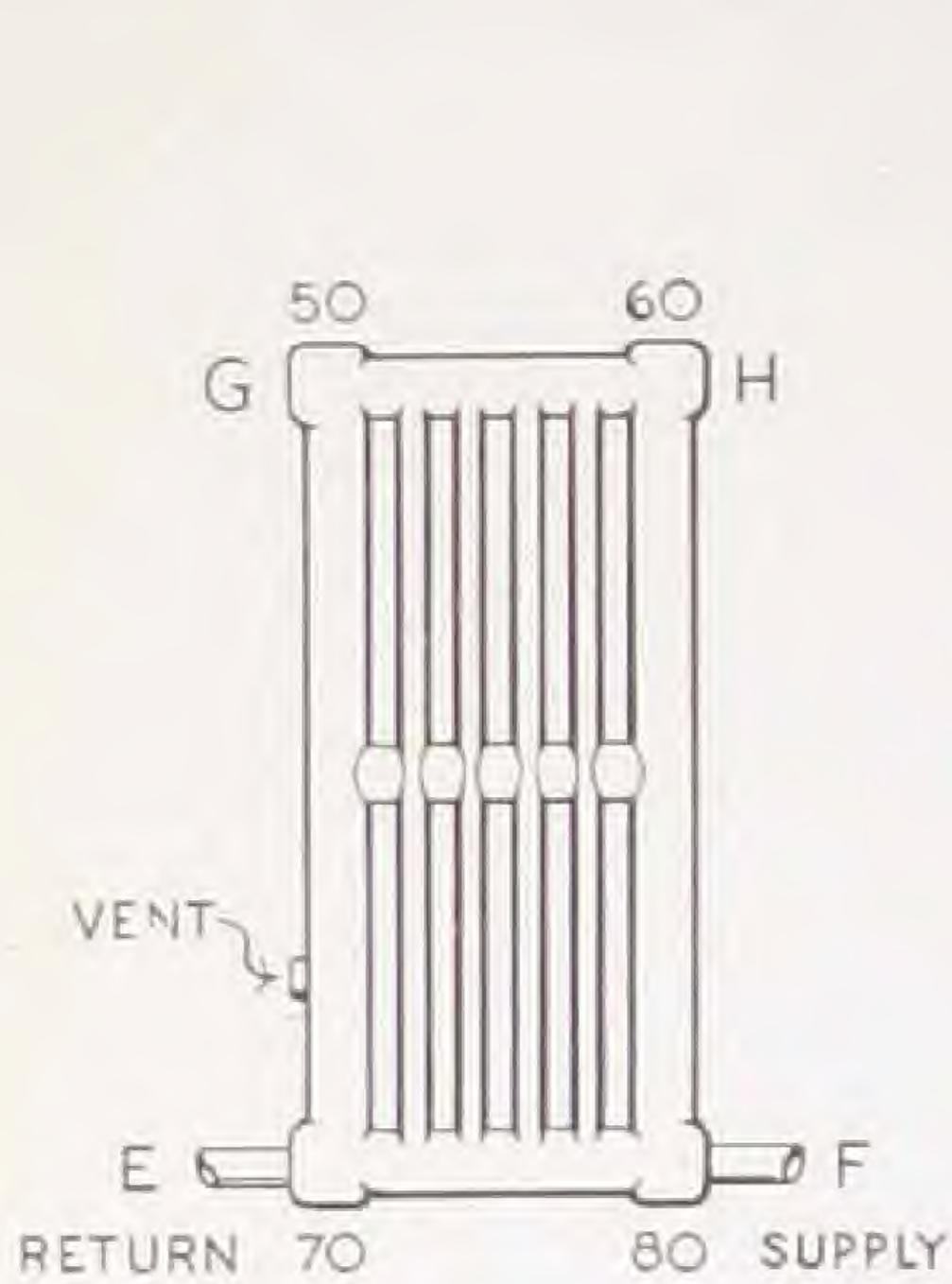


Fig. 2. One and Two-Pipe Steam—Regular Vertical Assembly

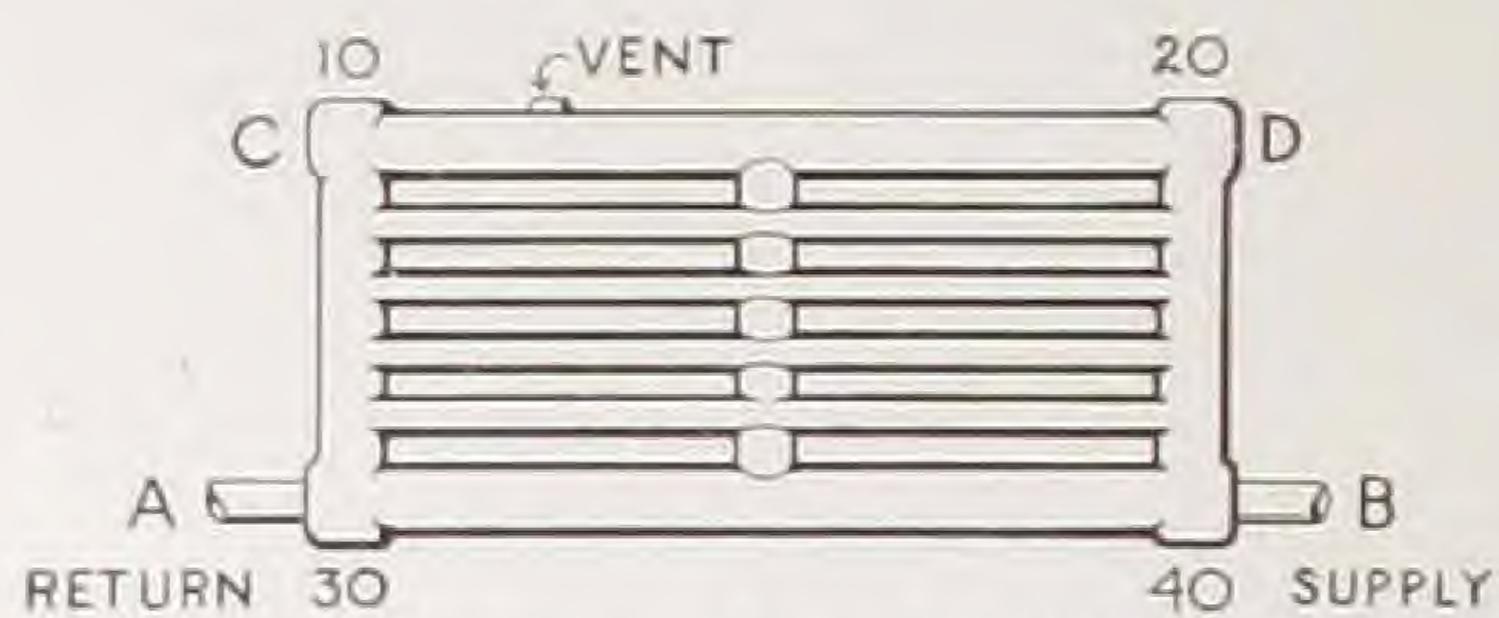


Fig. 1. Water—Regular Horizontal Assembly

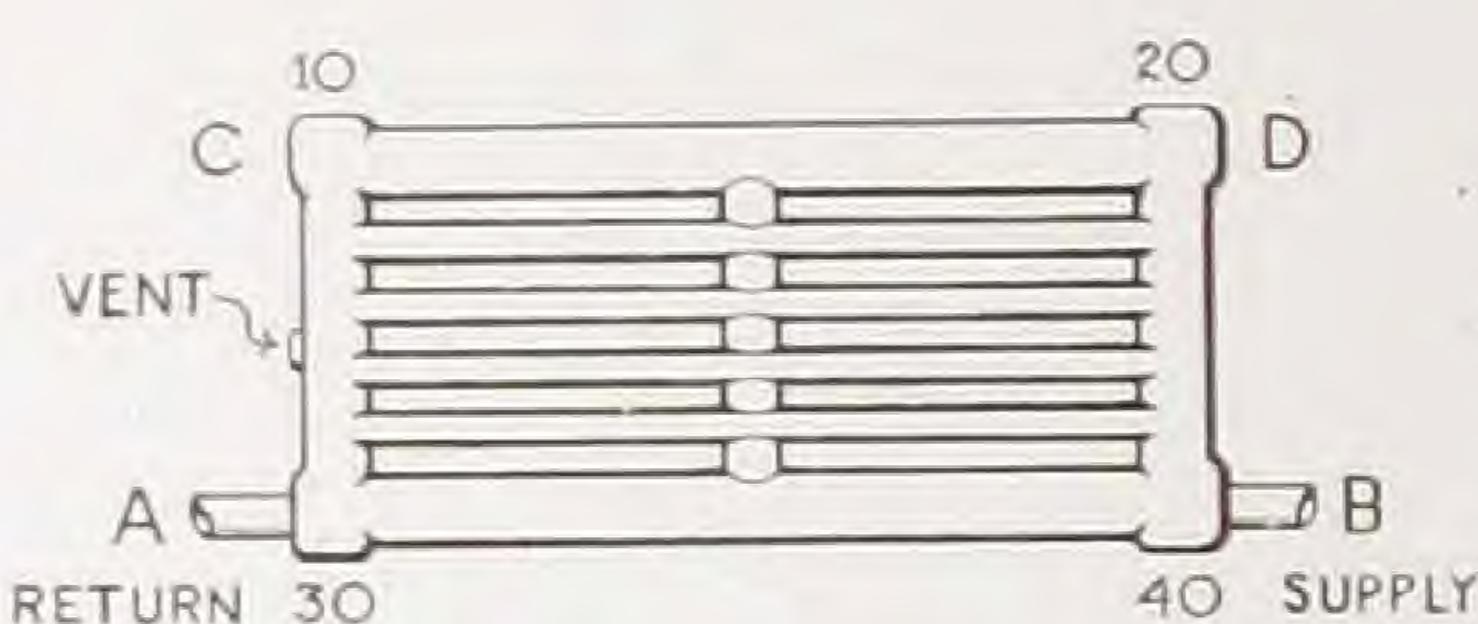


Fig. 4. One and Two-Pipe Steam—Regular Horizontal Assembly

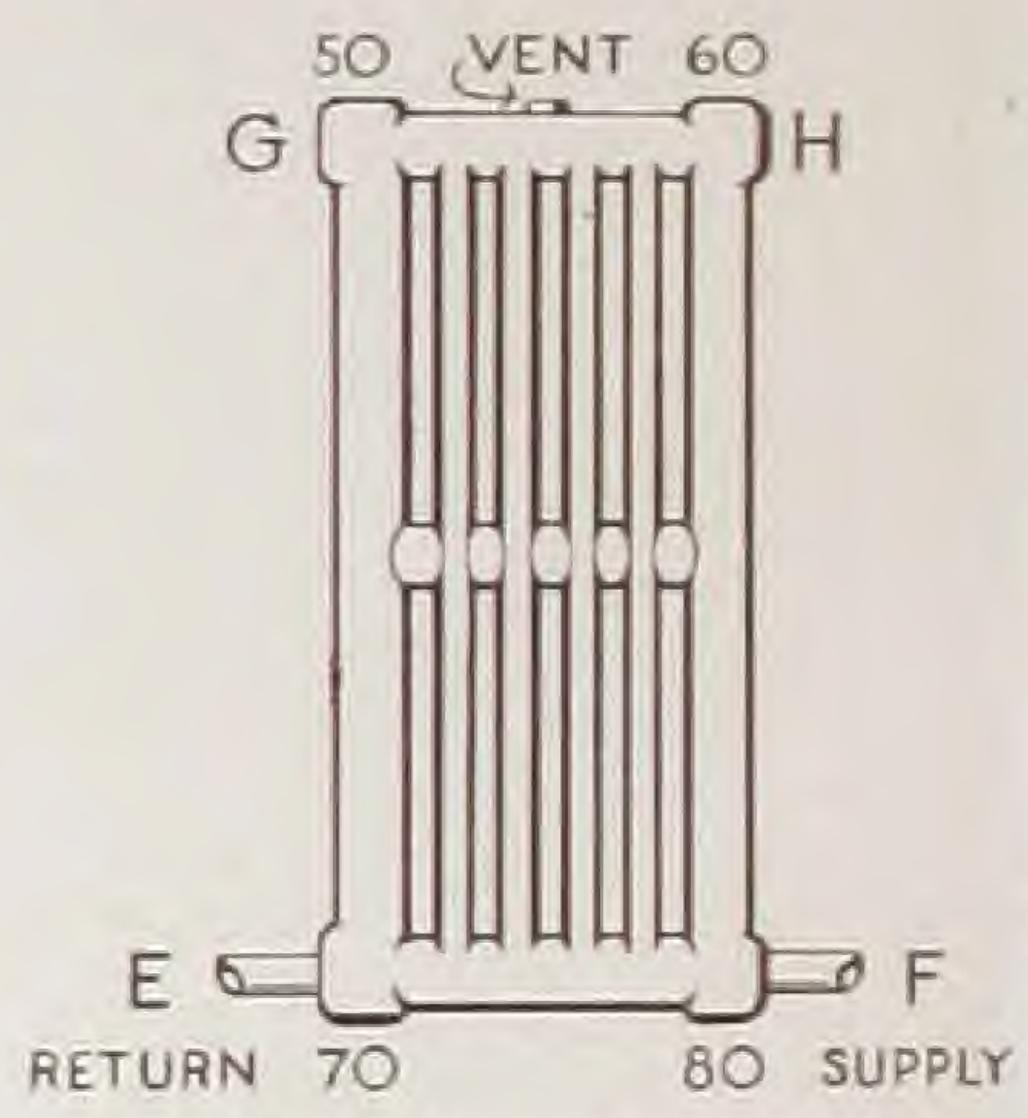


Fig. 3. Water—Regular Vertical Assembly

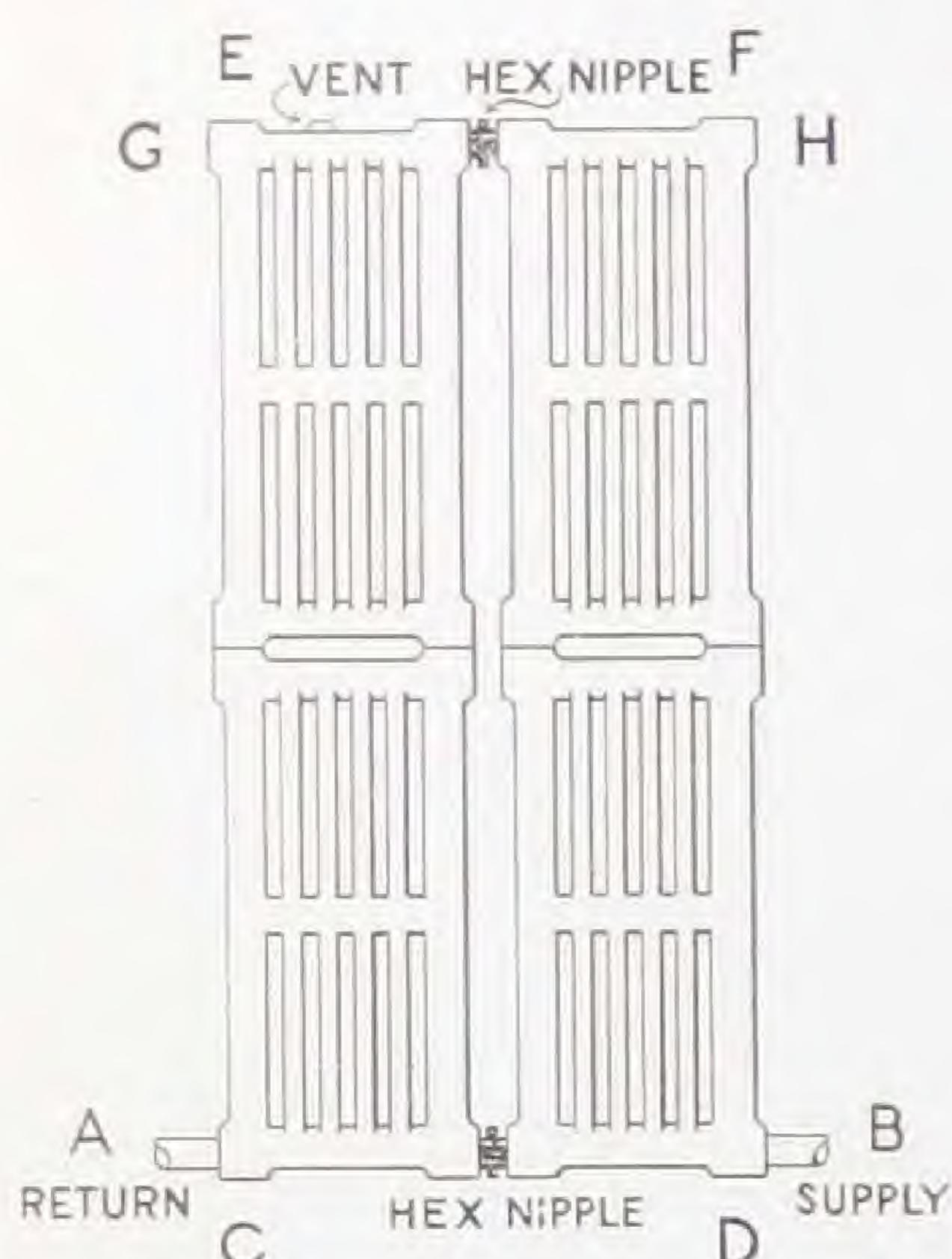


Fig. 5. Four Sections in Two Tiers—Water

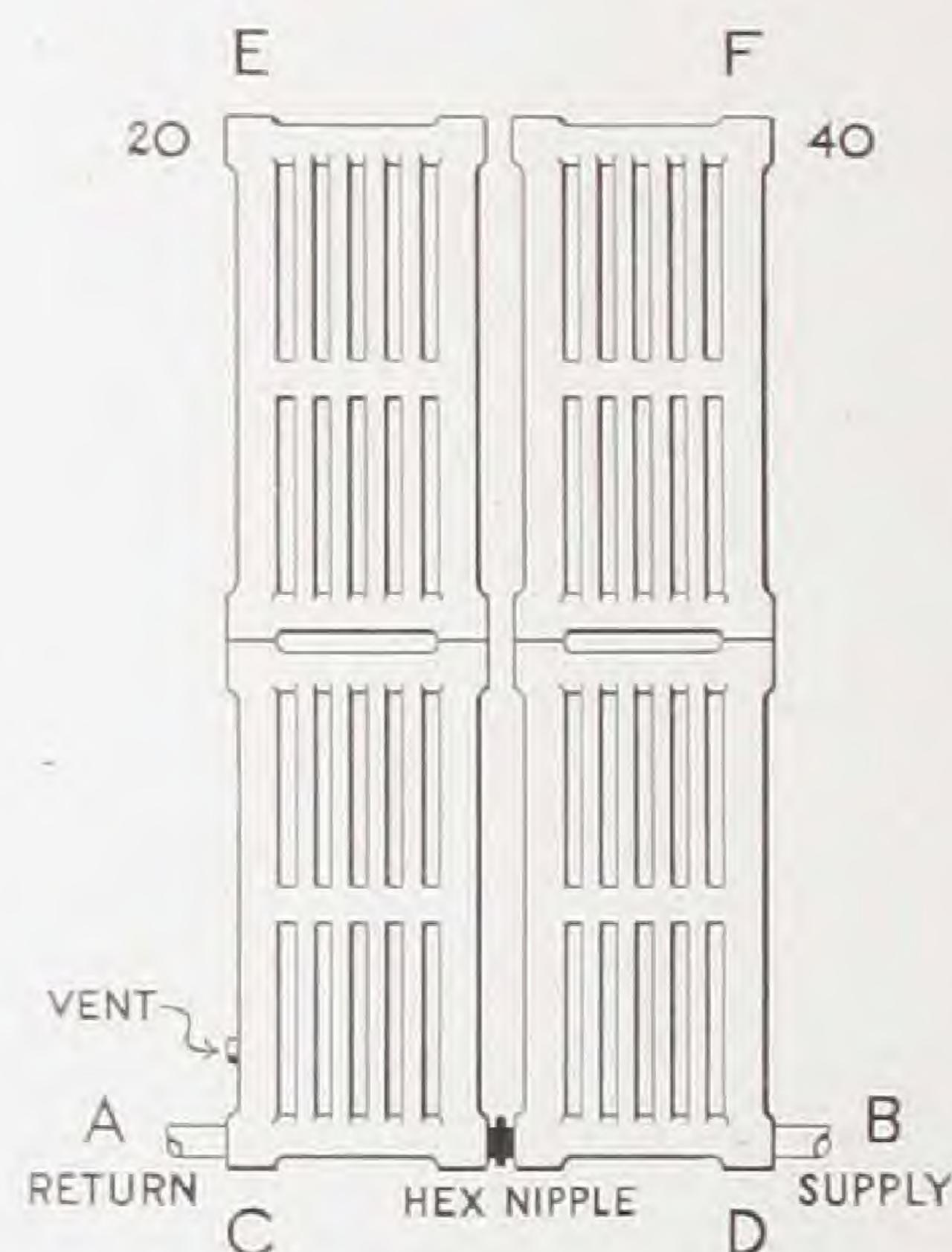


Fig. 6. Four Sections in Two Tiers—One and Two-Pipe Steam

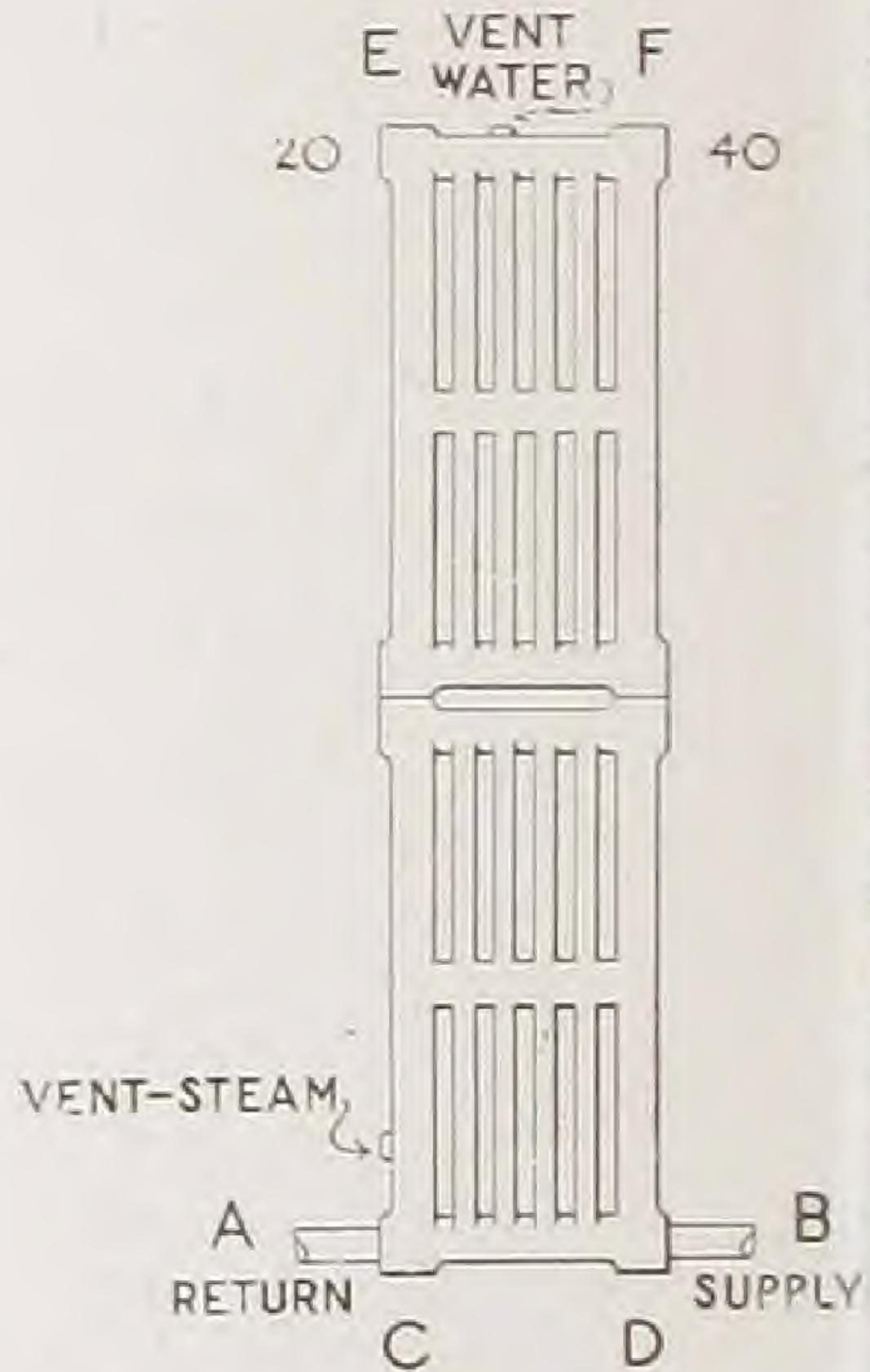


Fig. 7. Two Sections in Two Tiers—Water and Steam

NOTE—The regular tappings of GURNEY WALL RADIATORS are indicated by letters A, B, C, D, E, F, G and H as shown above. Nos. 20, 40, 60, 70, 80 and 90 indicate special tappings which can be furnished when desired at an extra cost of 10 cents net per tapping. Radiators are tapped $1\frac{1}{2}$ inches right hand for supply and $1\frac{1}{2}$ inches left hand for return, and unless otherwise ordered will be bushed as per list on page 22.

Typical Wall Radiator Assembly

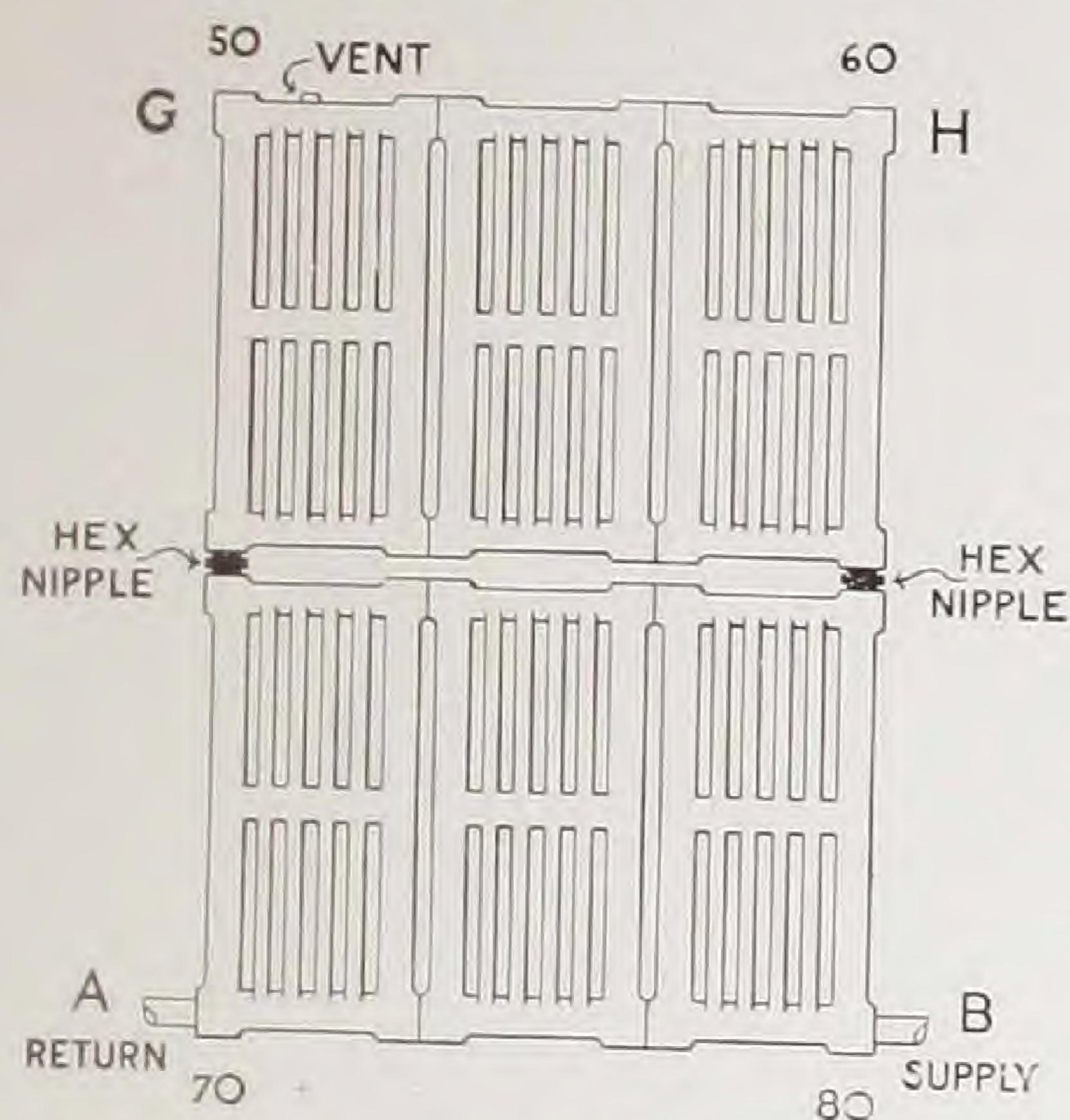


Fig. 8. Six Sections in Two Tiers—Water

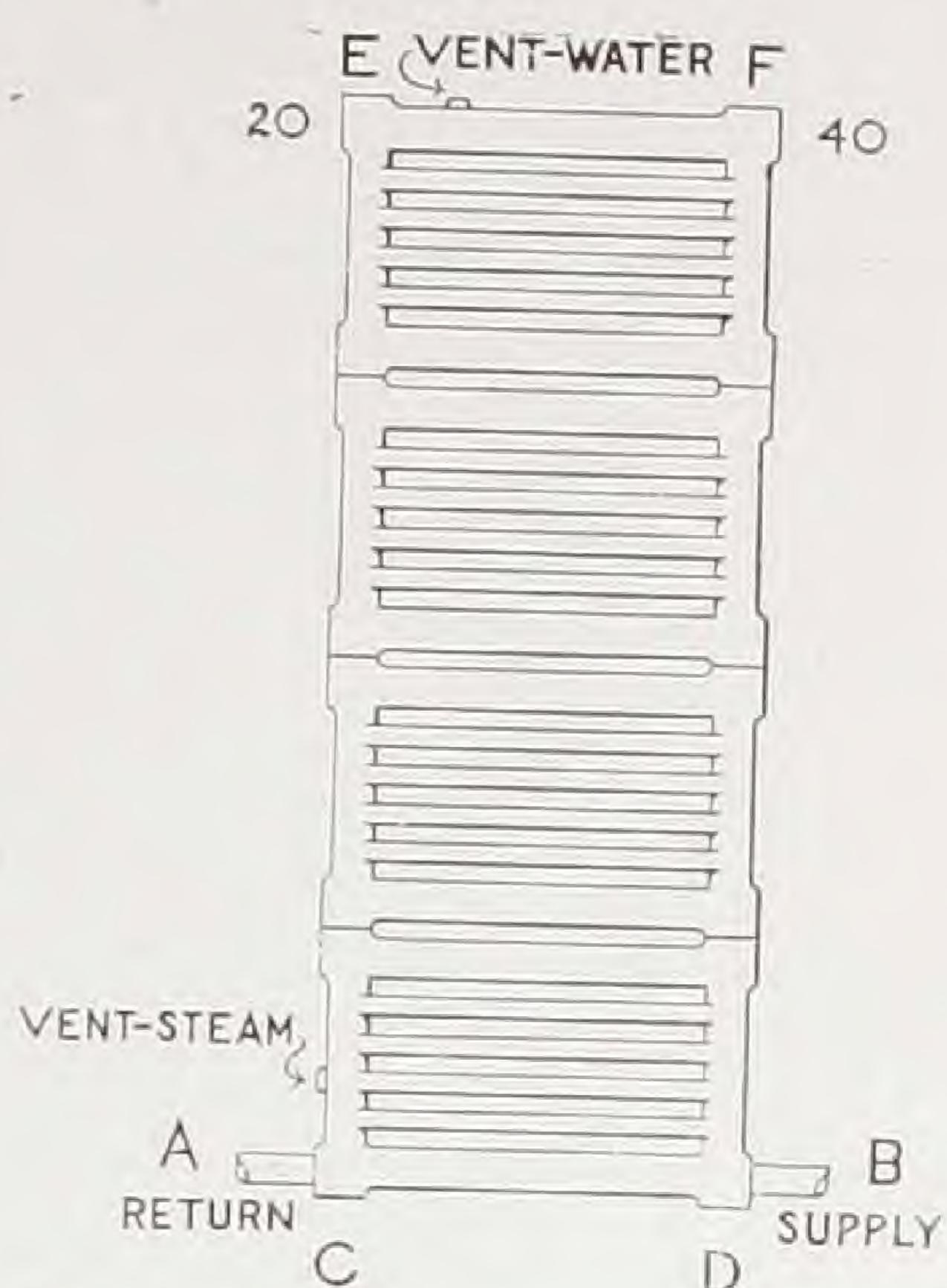


Fig. 9. Four Sections in Four Tiers—Water, and One and Two-Pipe Steam

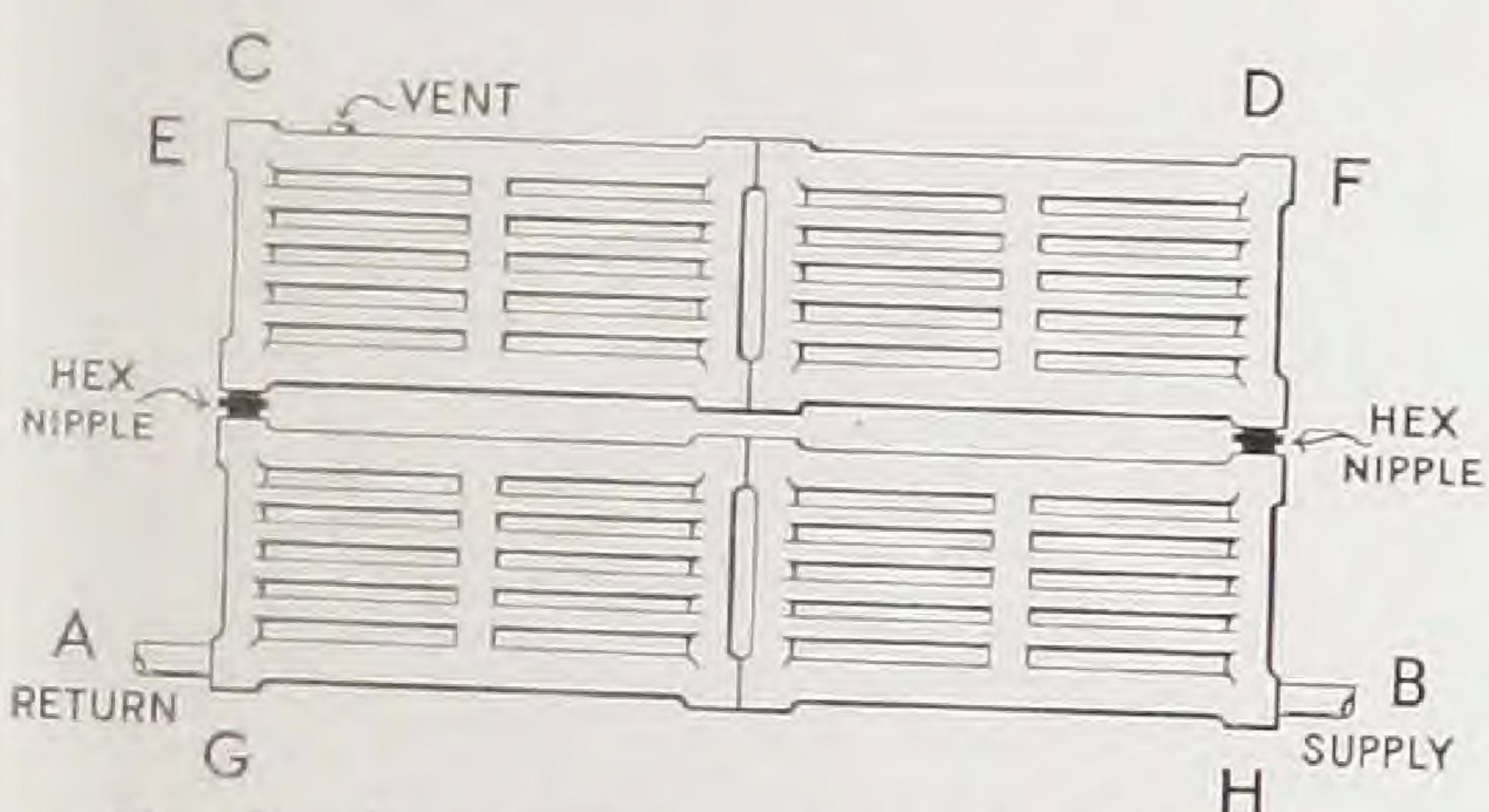


Fig. 9½. Four Sections in Two Tiers—Water

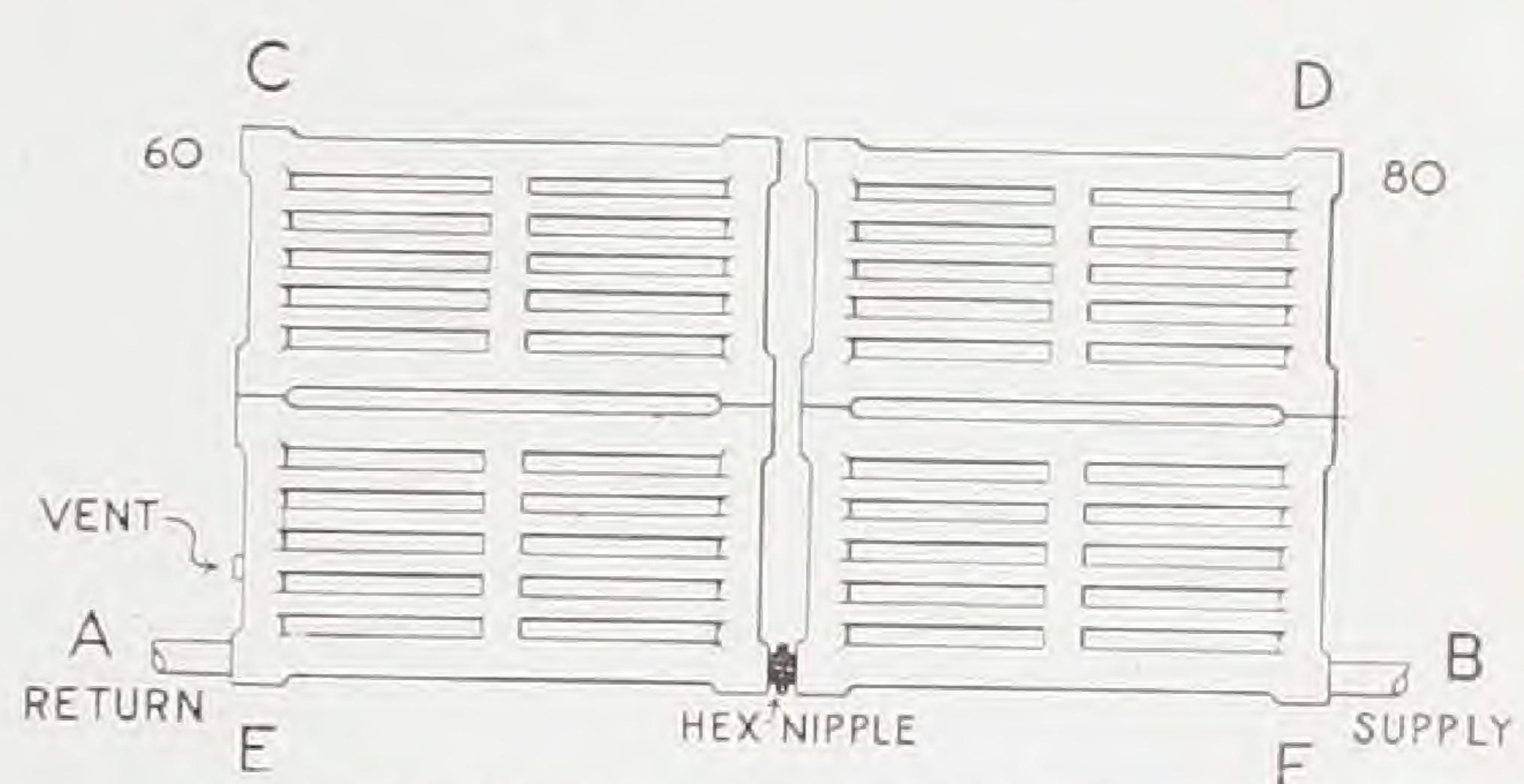


Fig. 10. Four Sections in Two Tiers—One and Two-Pipe Steam

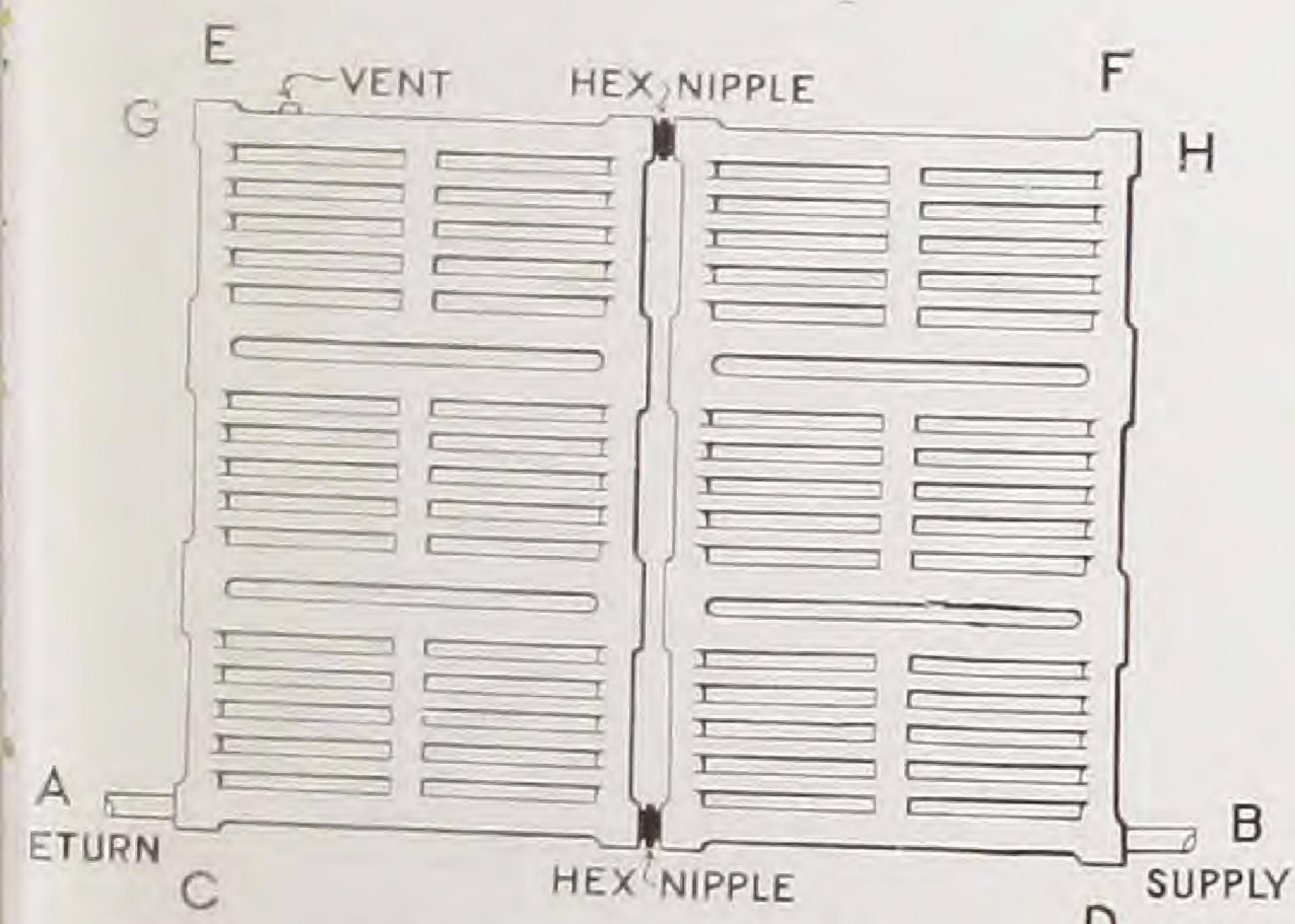


Fig. 11. Six Sections in Three Tiers—Water

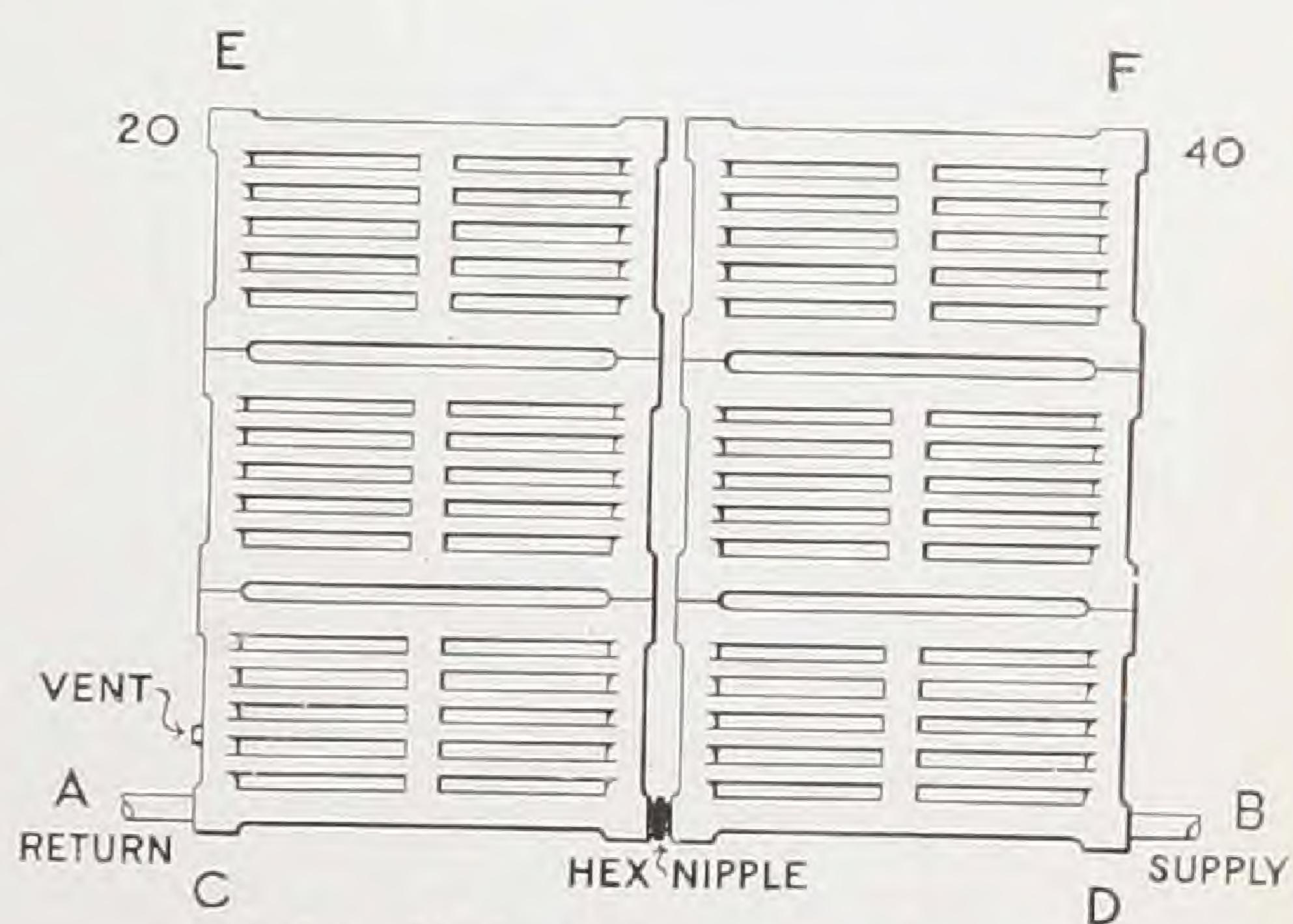
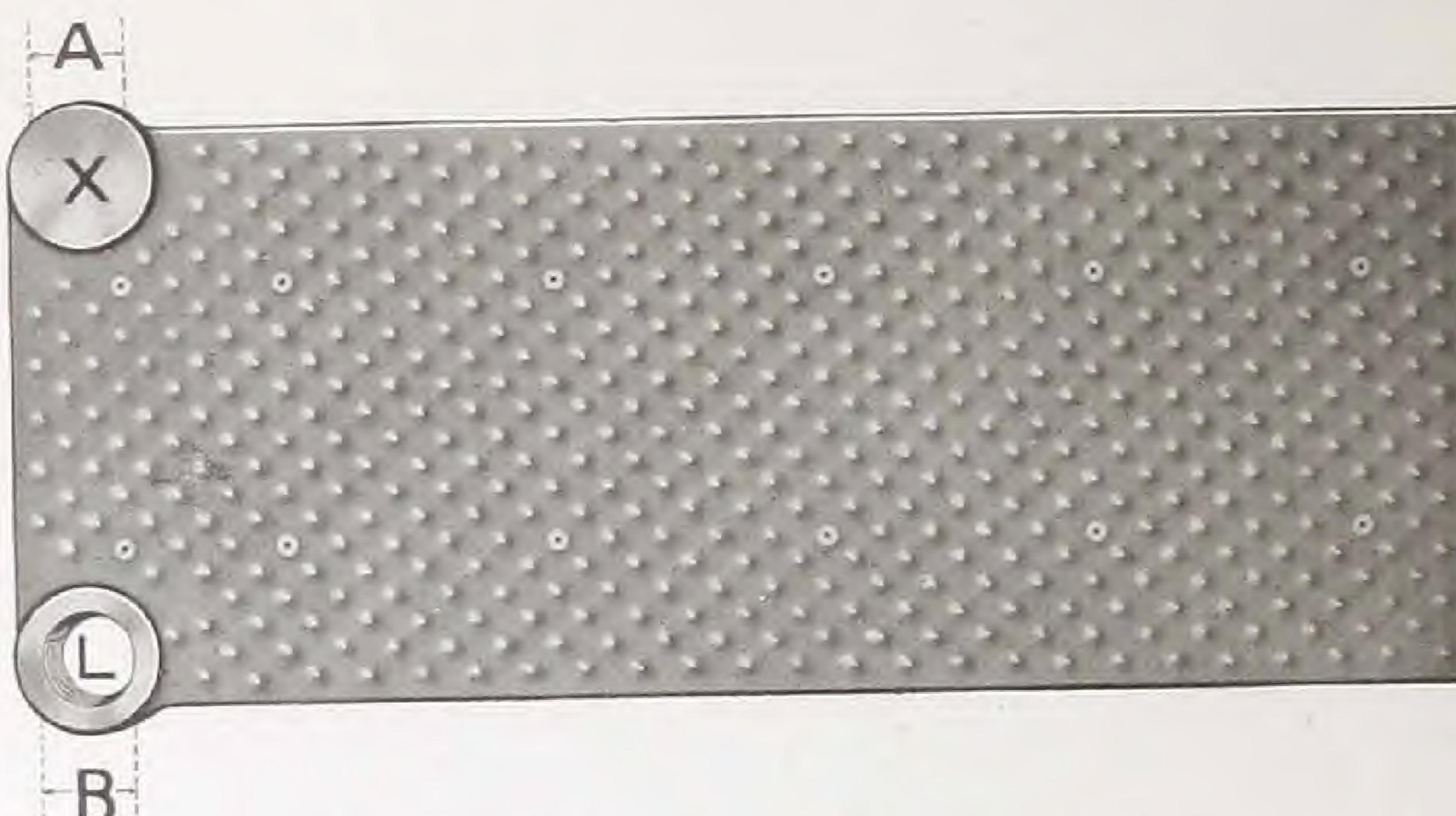


Fig. 12. Six Sections in Three Tiers—One and Two-Pipe Steam

Gurney Indirect Radiators



15 and 20-Foot School Pin FOR STEAM AND WATER

These Radiators are made in distinctive patterns for Steam and Water. Steam Radiators have one connection or passageway at bottom. Water Radiators have two connections or passageways, one at top and one at bottom.

Connections between sections are made by means of extra heavy 2-inch right and left-hand threaded nipples having hexagon nut at center, and sections for steam are firmly stayed by means of a draw rod running through cored openings at opposite end from R and L nipple connections.

DIMENSIONS, CAPACITY, ETC.

Radiators	15-foot Section	20-foot Section
Length of Section	35 $\frac{1}{4}$	35 $\frac{3}{4}$
Height of Section	10 $\frac{1}{4}$	14
Height of Section at connecting point	11 $\frac{1}{2}$	15 $\frac{1}{2}$
*Width each Section occupies in stack	3 $\frac{3}{4}$	3 $\frac{3}{4}$

Tapped 2-inch Supply and Return. Air valve tapping, $\frac{3}{8}$ inch.
 Supply or Head Section is tapped L/H for R and L nipple.
 Return or Drain Section is tapped R/H for R and L nipple.
 Regular tappings at X and L are tapped R/H at supply end and L/H at return end.
 Special tappings A and B are both tapped R/H. When bushings are desired female thread of same will be tapped R/H unless otherwise ordered.

* When so desired we can furnish special nipples to make width each section occupies in stack 4, 4 $\frac{1}{4}$, or 4 $\frac{1}{2}$ inches.

Gurney Indirect Radiators

Directions for Ordering

When ordering Gurney Indirect Radiators simply specify number of intermediate sections desired, number of supply and return sections desired, and whether for steam or water (15 or 20-foot sections).

Also specify TAPPING desired (A-B or regular). Regular Tappings are designated by letters X and L for either steam or water.

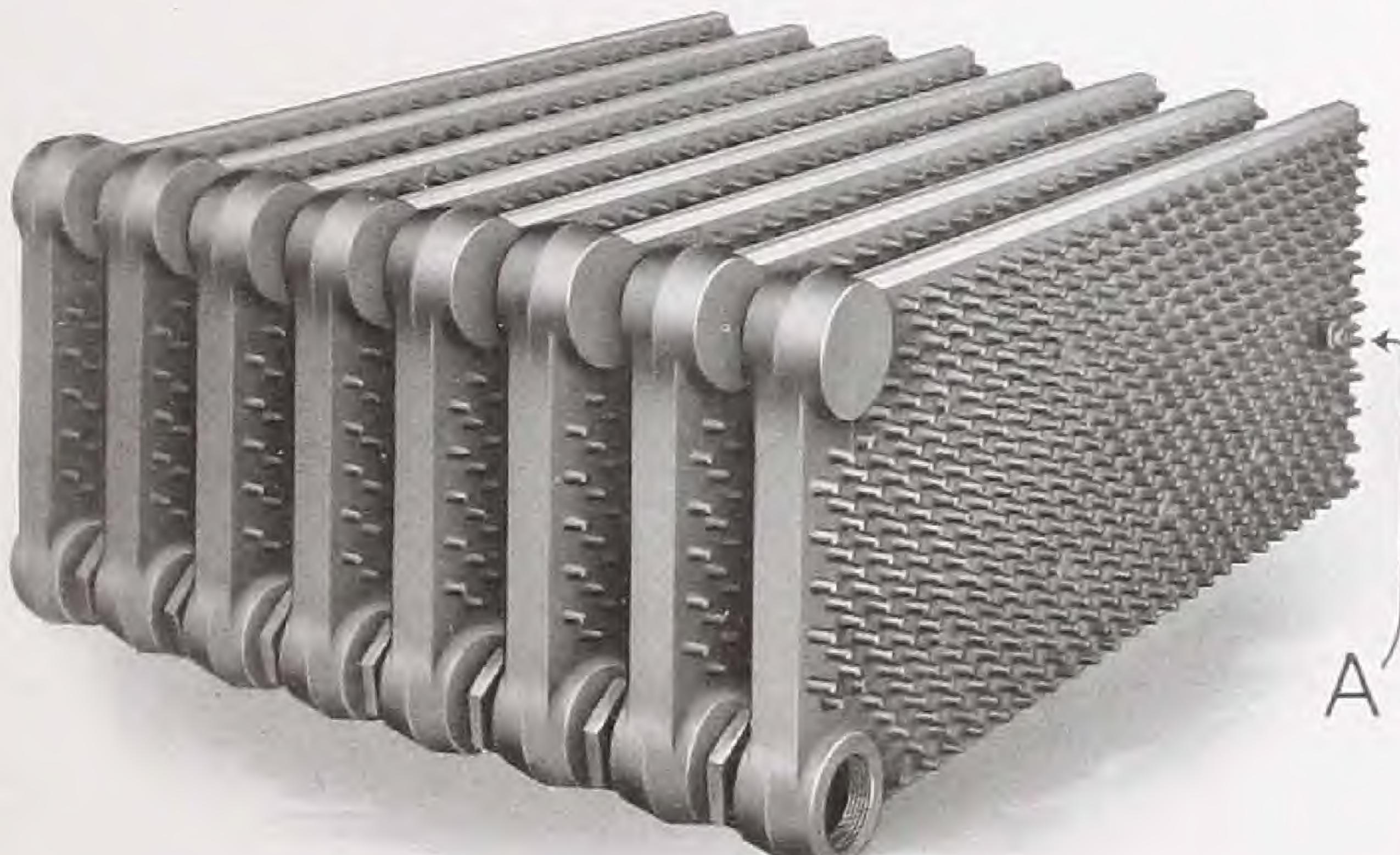
Steam sections are always shipped loose. Water sections are also shipped loose unless specified otherwise. When otherwise specified water sections can be shipped assembled in stacks not exceeding six sections.

When shipped loose both steam and water sections are provided with a sufficient number of R and L hexagon nipples for assembly on the job.

Water sections assembled at our plant are subject to an extra charge of one cent per foot net for each section put together.

Special Features

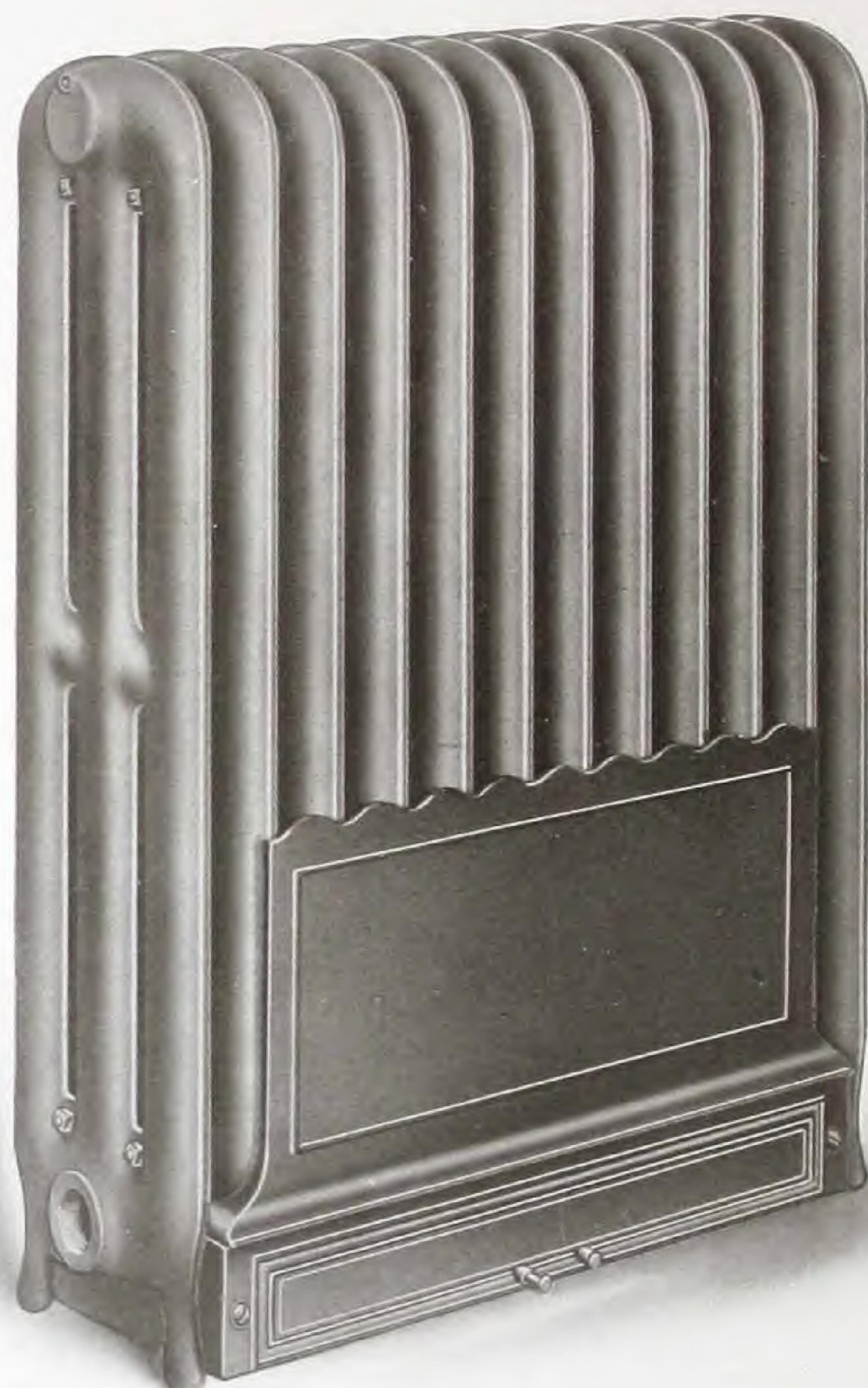
To overcome the natural tendency of indirect sections for steam to spread at the loose ends when being assembled, we have incorporated in Gurney Indirect a feature which absolutely prevents this tendency. A rod—see A on cut below, and which is exactly like rods used on Direct Radiators—is passed through cored openings in each section and held in place by threaded nuts, the sections bearing on each other by means of bosses. This construction insures the greatest ease in assembling and makes a tight, non-leakable joint.



Stack of eight sections Indirect for Steam
(Showing special rod for even assembly)



Gurney Direct-Indirect Radiators

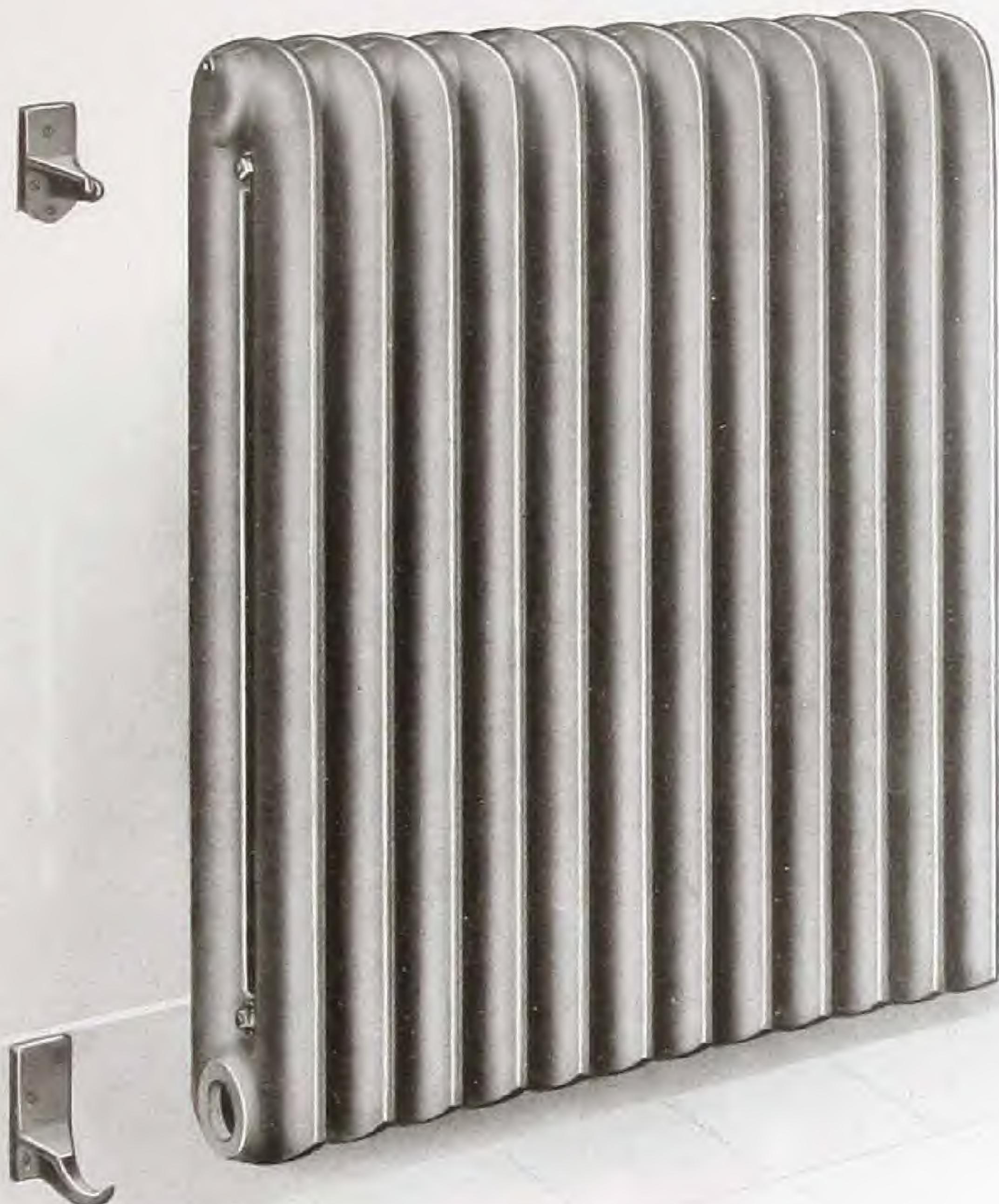


Gurney Portable Box-Base FOR DIRECT-INDIRECT HEATING

Above is the front view of a No. C. 12 Box Base as applied to a
12-section Tremont Plain Radiator

Box-bases are also made for One-Column and Duet Radiators

Gurney Legless Radiators



Direct Radiators (legless) on Brackets

This type of Radiator can be furnished in single-column, two-column, three-column, and five-column patterns. Above illustration shows Duet plain pattern Radiator supported on concealed brackets, also type of brackets furnished.

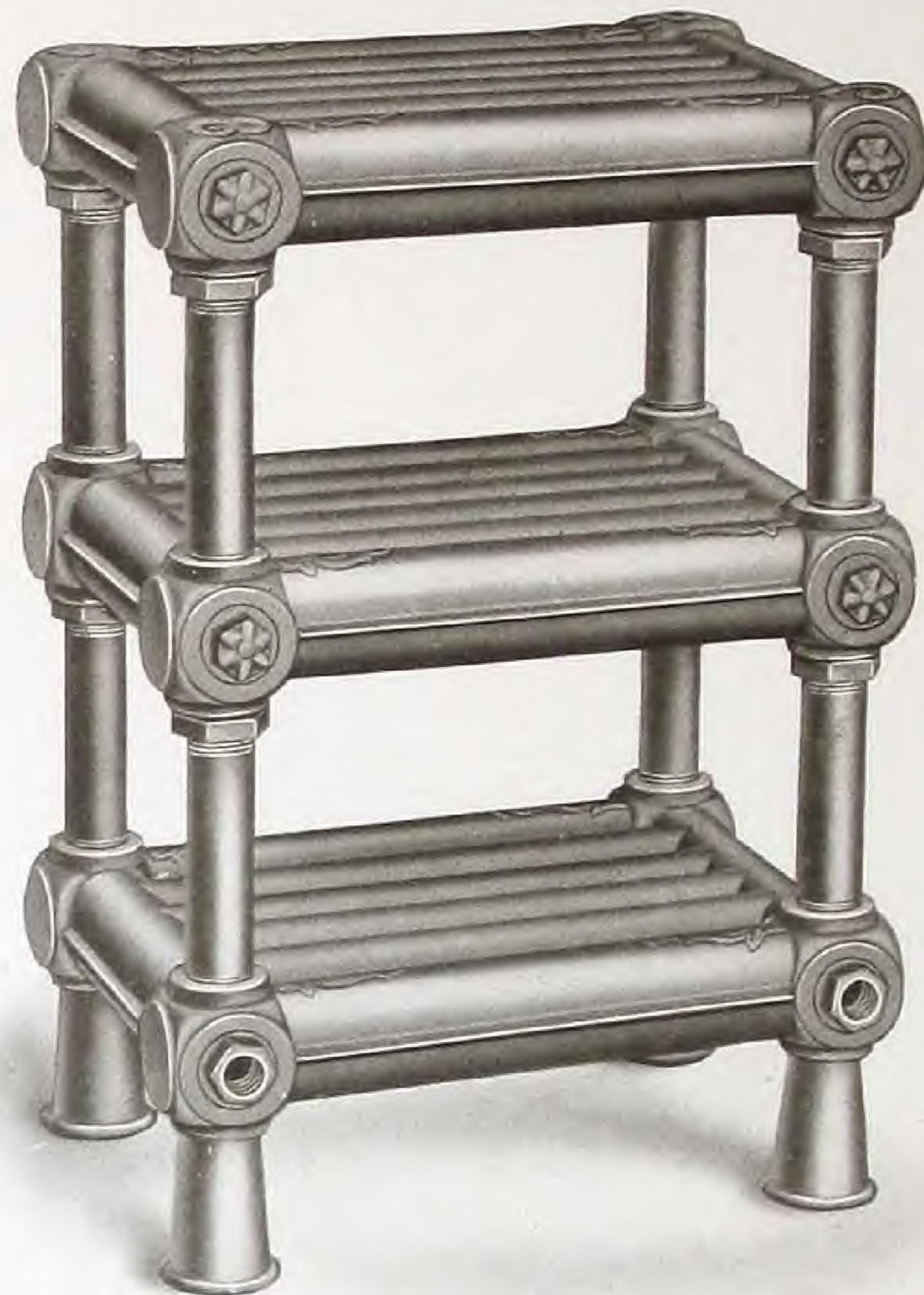
These Radiators are well adapted for use where floor space is limited, alongside walls where space does not permit the use of coils or Wall Radiators, or in basements where Radiators placed on floor would be below or on the level of boiler water-line.

In ordering this type of Radiator simply state, "Radiator without legs, to be used in connection with concealed brackets."

Unless brackets are specified Radiators will be shipped without same.

The same data regarding heating surface, connections and tappings applying on Radiators with legs, applies to these patterns.

Gurney Pantry Radiators



(Seven-foot sections)

This combination Radiator and Plate-Warmer is made up of seven-foot sections Gurney Wall Radiators and can be used for either steam or water.

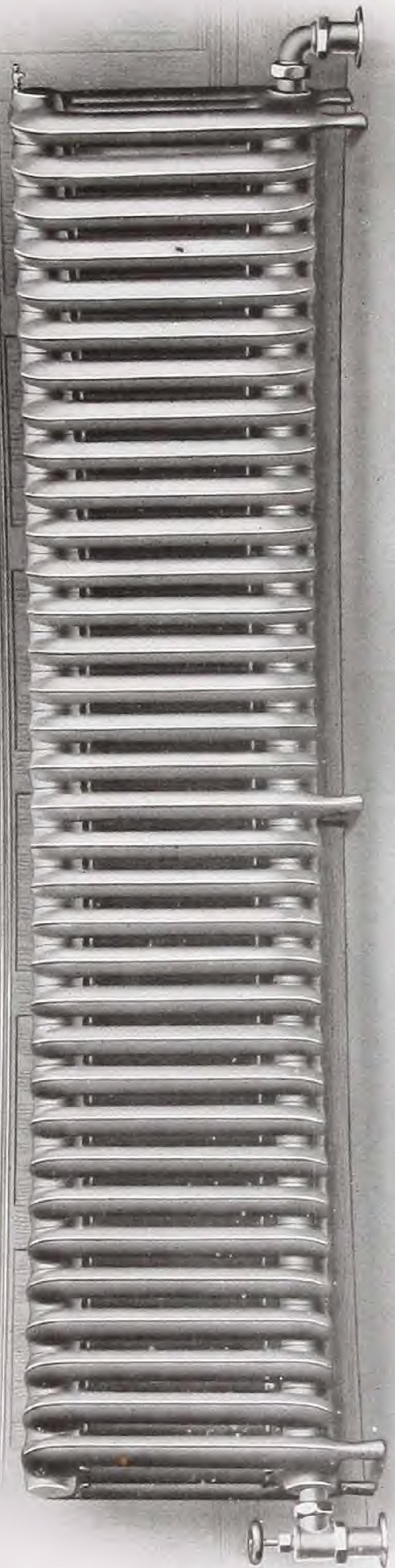
It is designed especially for private residence pantries, but in extended construction can also be used for hotel or restaurant work.

Radiators are shipped made up and are carried in stock.

Number	Height, Inches	Heating Surface	List Price
1	9	7 feet	\$8.00
2	19	15 "	15.00
3	29	23 "	22.00
4	39	31 "	29.00
5	49	39 "	36.00

Width, 14 inches; length, 19 inches; distance from floor to center of tapping on bottom section, 6 inches.

Gurney Special Radiators



ILLUSTRATING 34-SECTION 27-INCH TREMONT RADIATOR, CURVED TO SKETCH

NOTE— We make to order any height or width radiator listed by us to fit curved or angular bays. We can furnish also circular, corner or stairway radiators in various heights, etc.

Radiator Tappings

All One-Pipe Steam Radiators containing up to 24 square feet inclusive	1 inch
Above 24, up to 60 square feet	$1\frac{1}{4}$ "
Above 60 square feet	$1\frac{1}{2}$ "
All Two-Pipe Steam Radiators containing up to 48 square feet inclusive	$1 \times \frac{3}{4}$ inch
Above 48, up to 100 square feet	$1\frac{1}{4} \times 1$ "
Above 100 square feet	$1\frac{1}{2} \times 1\frac{1}{4}$ "
All Hot Water Radiators containing up to 48 square feet, inclusive	1×1 inch
Above 48 square feet	$1\frac{1}{4} \times 1\frac{1}{4}$ "

All air valve tappings are regularly made $\frac{1}{8}$ -inch. GURNEY Radiators, with the exception of wall radiators, are regularly tapped SOLID as per the above list, with flow and return opposite ends at bottom.

Wall Radiators are regularly tapped $1\frac{1}{2}$ inch and bushed as per above list. For tapping locations see pages 14 and 15.

Special tappings for Direct Radiators can be furnished when so desired, as follows:

HOT WATER RADIATORS

- Flow and Return same end, at bottom
- Flow and Return top and bottom, same end
- Flow and Return top and bottom, opposite ends

STEAM RADIATORS

- Return tapped eccentric on two-pipe work.

NOTE—In changing the location of, or providing for tappings other than regular, an extra charge will be made.



Gurney Radiator Prices

Direct Radiators

The locations of the figures in the columns in line with the names of Radiator patterns indicate the heights in which the various patterns are made. The figures themselves represent the amount of heating surface contained in each section.

Height, Inches	45	39	38	33	32	27	26	23	21	20
List Price per Foot of Surface	\$0.42	\$0.42	\$0.42	\$0.46	\$0.46	\$0.50	\$0.50	\$0.53	\$0.57	\$0.57
Single Column										
Steam and Water			3		2½		2			1½
Duet (two Column)										
Steam and Water	5		4		3½		2½	2½		2
Tremont (three Column)										
Steam and Water		6		5½		4½			3½	
Five Column										
Steam and Water			10				7			

Direct Radiators—Window Pattern

Height, Inches	20	18	16	14
List Price per Foot of Surface	\$0.58	\$0.58	\$0.64	\$0.64
Five Column	5	5	4	4

Gurney Wall Radiators

List Price
per Foot

Extra large section, 12 feet	\$0.42
9-foot section42
7- " "42
5- " "46

Indirect Radiators

20-foot section	\$0.27
15- " "27

